

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Masahiro KAKEHI, et al.

SERIAL NO: NEW APPLICATION

FILED: HEREWITH

FOR: METHOD FOR PRODUCING NUCLEOTIDE BY FERMENTATION

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

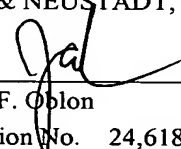
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

250307US0DIV

SERIAL NO.

NEW APPLICATION

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Masahiro KAKEHI, et al.

FILING DATE

HEREWITH

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	JP56-12438	03/20/81	JAPAN (w/English Abstract)		
	AP	EP 1 004 663	05/31/00	EUROPE	X	
	AQ	JP54-20195	02/15/79	JAPAN (w/English Abstract)		
	AR	JP40-24515	10/26/65	JAPAN (w/English Abstract)		
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	H. MOMOSE, et al., J. Gen. Appl. Microbiol., Vol. 10, No. 4, pp. 343-358, 1967, "GENETIC AND BIOCHEMICAL STUDIES ON 5'-NUCLEOTIDE FERMATION".
	AX	M. FUJIMOTO, et al., Agr. Biol. Chem., Vol. 29, No. 10, pp. 918-922, 1965, "STUDIES ON 5'-NUCLEOTIDASE-LACKING MUTANTS DERIVED FROM <i>BACILLUS SUBTILIS</i> ".
	AY	A. FURUYA, et al., Applied Microbiology, Vol. 16, No. 7, pp. 981-987, July 1968, "PRODUCTION OF NUCLEIC ACID-RELATED SUBSTANCES BY FERMENTATIVE PROCESSES".
	AZ	H. NEU, The Journal of Biological Chemistry, Vol. 242, No. 17, pp. 3896-3904, September 10, 1967, "THE 5'-NUCLEOTIDASE OF <i>ESCHERICHIA COLI</i> ".

☒ Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 250307US0DIV		SERIAL NO. NEW APPLICATION	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Masahiro KAKEHI, et al.			
				FILING DATE HEREWITH		GROUP	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AAA	A. COWMAN, et al., Gene, Vol. 12, pp. 281-286, 1980, "MOLECULAR CLONING OF THE GENE (<i>ush</i>) FROM <i>ESCHERICHIA COLI</i> SPECIFYING PERIPLASMIC UDP-SUGAR HYDROLASE (5'NUCLEOTIDASE)".					
	AAB	M. C. THALLER, et al., FEMS Microbiology Letters, 146, pp. 191-198, 1997, "IDENTIFICATION OF THE GENE (<i>aphA</i>) ENCODING THE CLASS B ACID PHOSPHATASE/PHOSPHOTRANSFERASE OF <i>ESCHERICHIA COLI</i> MG1655 AND CHARACTERIZATION OF ITS PRODUCT".					
	AAC	F.R. BLATTNER, Science 277, Vol. 5331, GenBank Accession No. AAC77025, pp. 1453-1474, 1997, "THE COMPLETE GENOME SEQUENCE OF <i>ESCHERICHIA COLI</i> K-12".					
	AAQ	H. TAO, Journal of Bacteriology, Vol. 181, No. 20, pp. 6425-6440, October 1999, "FUNCTIONAL GENOMICS: EXPRESSION ANALYSIS OF <i>ESCHERICHIA COLI</i> GROWING ON MINIMAL AND RICH MEDIA".					
	AAE	M.W. LAID, Abstracts of the General Meeting of the American Society, XP-001042299, Vol. 100, pp. 435-436, May 21-25, 2000, "ESSENTIAL ROLE OF THE <i>AphA</i> PERIPLASMIC ACID PHOSPHATASE IN UTILIZATION OF 5'-NUCLEOTIDES BY <i>ESCHERICHIA COLI purEK ushA phoA</i> MUTANTS".					
	AAF	G.M. ROSSOLINI, et al., CMLS Cellular and Molecular Life Sciences, XP-001024401, Vol. 54, No. 8, pp. 833-850, 1998, "BACTERIAL NONSPECIFIC ACID PHOSPHOHYDROLASES: PHYSIOLOGY, EVOLUTION AND USE AS TOOLS IN MICROBIAL BIOTECHNOLOGY".					
	AAG	H. MATSUI, et al., Agric. Biol. Chem., XP-001073798, Vol. 46, No. 9, pp. 2347-2352, 1982, "5'NUCLEOTIDASE ACTIVITY IN IMPROVED INOSINE-PRODUCING MUTANTS OF <i>BACILLUS SUBTILIS</i> ".					
	AAH	H. NIELSEN, et al., Protein Engineering, XP-002200196, Vol. 10, No. 1, pp. 1-6, 1997, "IDENTIFICATION OF PROKARYOTIC AND EUKARYOTIC SIGNAL PEPTIDES AND PREDICTION OF THEIR CLEAVAGE SITES".					
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	AAJ						
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	AAO						
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	AAQ						
Examiner						Date Considered	
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